

## Recording Time Chart

RDAC Grade	Sampling Frequency	Playback Range	RDAC Mode and Recording Time				
			H-LINEAR	LINEAR	MODE 3	MODE 2	MODE 1
S-HIGH	48 kHz	20Hz-22kHz	1:58:31	2:57:47	7:54:06	7:54:06	11:51:09
HIGH	44.1 kHz	20Hz-20kHz	2:08:57	3:13:26	8:53:49	8:53:49	12:53:44
STANDARD	32 kHz	20Hz-15kHz	2:57:47	4:26:41	11:51:09	11:51:09	17:46:44
LONG 1	22.05 kHz	20Hz-10kHz	4:17:54	6:28:52	17:31:39	17:31:39	25:47:28
LONG 2	16 kHz	20Hz-7.5kHz	5:55:34	8:53:22	23:42:18	23:42:18	35:33:28
ANNOUNCE	8 kHz	20Hz-3.7kHz	11:51:09	17:46:44	47:24:37	47:24:37	71:06:56

\* Mono Recording time per 1GB Memory Card (x 2 for AR-3000R)

\* Recording time is half for stereo recording

\* Time specs for continuous recording of 1 phrase

## AR-3000R Specifications

Recording Format	RDAC (Roland Digital Audio Coding)	S/N Ratio	90dB
Recording Media	Compact Flash Memory Card up to 2GB x 2	Interfaces	RS-232C, MIDI, AR-LINK
RDAC Grade	H-LINEAR, LINEAR, MODE3, MODE2, MODE1	Power Supply	AC 117, 230, 240V (50/60Hz)
Phrase Type	Stereo, Mono (Audio) or SMF (MIDI)	Power Consumption	11W (117V), 12W (230/240V)
Number of Phrases	Up to 2,000 phrases	Dimensions & Weight	482(W) x 231.4(D) x 44(H) mm, 2.7kg
Audio Input	Mic Input : -4dBu/2k ohms/balanced Line Input : 0dBu/20k (stereo) or 10k (mono) ohms/unbalanced	Accessories	Rubber Feet, Card Protector (with screws), Owner's Manual, AC Cord
Audio Output	Line output : +4dBu/500 ohms/balanced, Mono output : +4dBu/500 ohms/unbalanced, Phone : 90+90mW Max (30 ohms or more)	Options	Network Card (AR-NT1R)

## AR-200R Specifications

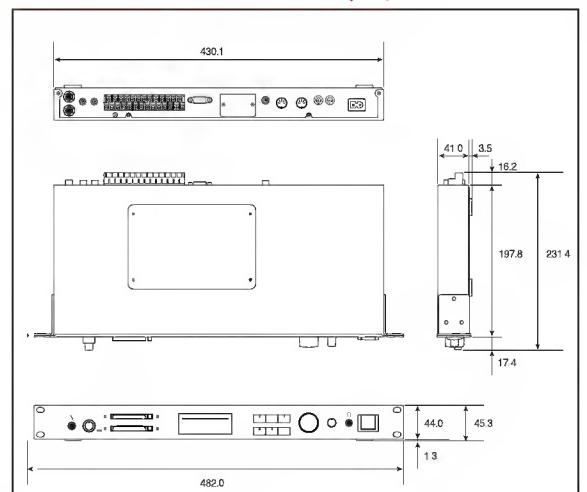
Recording Format	RDAC (Roland Digital Audio Coding)	Power Supply	AC Adaptor or DC9 -24V
Recording Media	Compact Flash Memory Card up to 2GB	Current Draw	1000mA (AC Adaptor) or 1200mA (External DC Power)
RDAC Grade	H-LINEAR, LINEAR, MODE3, MODE2, MODE1	Dimensions & Weight	218(W) x 234.7(D) x 44(H) mm, 1.4kg
Phrase Type	Stereo, Mono (Audio) or SMF (MIDI)	Accessories	Rubber Feet, Card Protector (with screws), Owner's Manual, AC adaptor
Number of Phrases	Up to 1,000 phrases *	Options	Rack Mount bracket
Audio Input	0dBu/10k ohms/unbalanced		
Audio Output	Line output : +4dBu/-10dBV/600 ohms/balanced Phone : 1+1 mW Max (30 ohms or more)		
S/N Ratio	84 dB		

\*When saved on AR-3000R

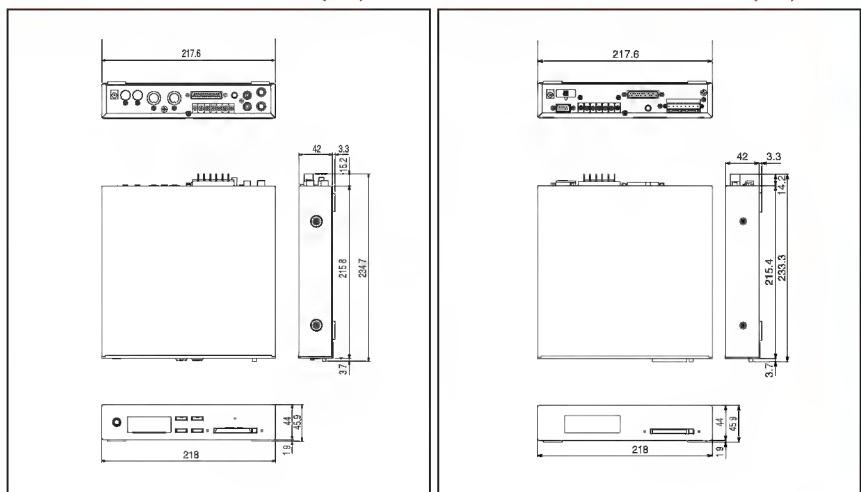
## AR-200S Specifications

Recording Format	RDAC (Roland Digital Audio Coding)	Power Supply	AC Adaptor or DC9 -24V
Recording Media	Compact Flash Memory Card up to 2GB	Current Draw	1000mA (AC Adaptor) or 1200mA (External DC Power)
RDAC Grade	H-LINEAR, LINEAR, MODE3, MODE2, MODE1	Dimensions & Weight	218(W) x 233.3(D) x 44(H) mm, 1.5kg
Phrase Type	Stereo or Mono	Accessories	Rubber Feet, Card Protector (with screws), Euroblock Connector, Owner's Manual, AC adaptor
Number of Phrases	Up to 1,000 phrases	Options	Rack Mount bracket
Audio Input	-6dBu/10k ohms/balanced		
Audio Output	+4dBu/-10dBV/600 ohms/balanced		
S/N Ratio	84 dB		

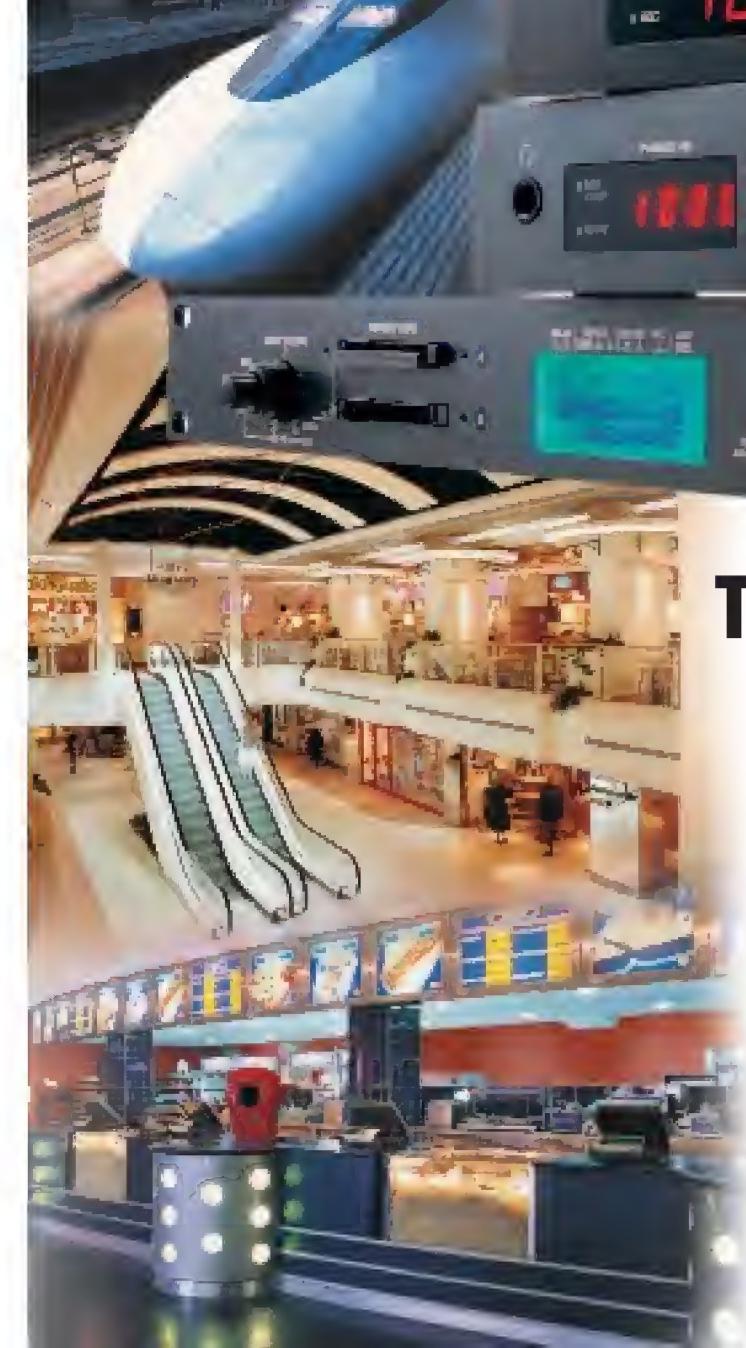
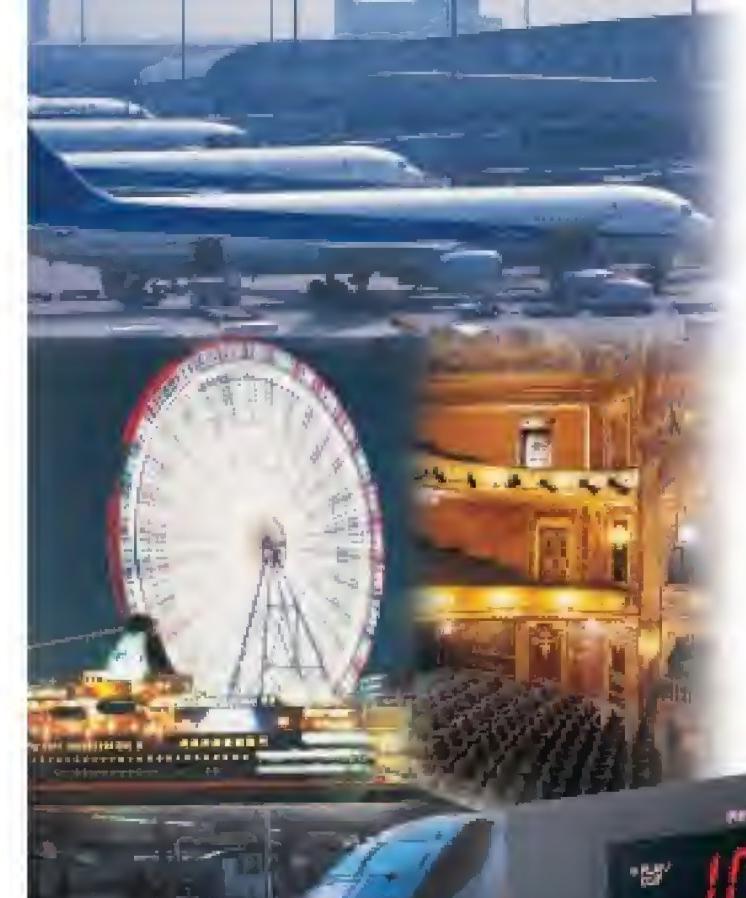
## AR-3000R Dimension (mm)



## AR-200R Dimension (mm)



## AR-200S Dimension (mm)



# The AR Series Audio Recorders

## AR-3000R AR-200R AR-200S



**The Industry Standard  
for Audio Playback**

## No Moving Parts

The AR series is world renowned for its reliability. Audio is stored and played back from Compact Flash or other solid state memory, providing much more reliable performance than cassettes, CDs, DVDs, HDDs and other mechanical recording devices. Since audio or MIDI data is recorded directly to and played back from the memory card, the mechanical wear and tear and failure over time associated with rotating or winding media is completely eliminated.



# AR-3000R

Flagship AR product with a wide range of editing, playback and control features

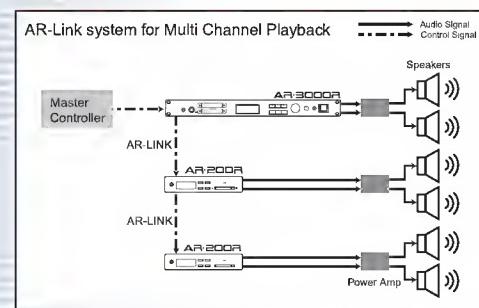
## The industry standard for reliable, high quality audio playback

The AR-3000R Audio Recorder is a one rack space digital audio recorder/player designed for any application requiring high fidelity pre-recorded announcements. Theme parks, museums, elevators, airports, buses, trains and trams are just some of the installations that can benefit from the AR-3000R's high quality, over 140 hours of recording time.

## Easy integration with other systems

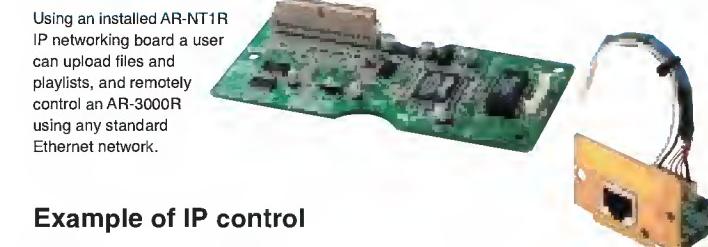
The AR-3000R can be synchronized with external devices using MTC and MMC. This enables the easy integration of up to 64 tracks of an AR system with external devices such as video presenters and show control devices.

## Link Multiple Units with Sample Accuracy

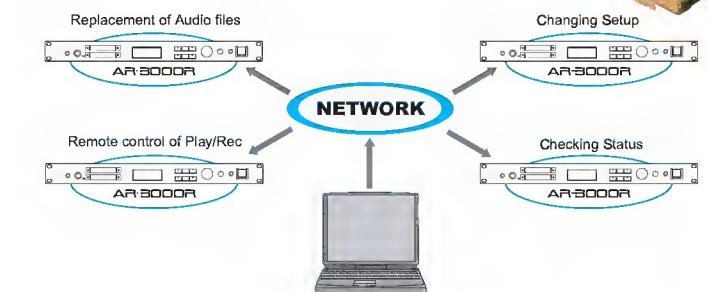


Using the AR-Link function, users can build a 64-track simultaneous playback system. One AR-3000R master device can lock up to 31 units of AR-3000R or AR-200R together for sample accurate playback.

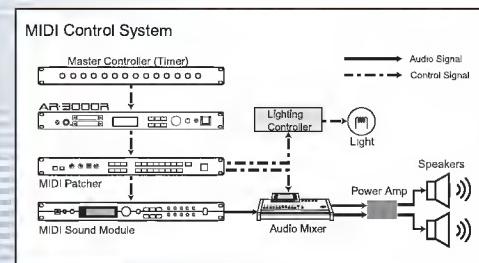
## AR-NT1R Network option for AR-3000R



### Example of IP control



## Recording and Playback of MIDI data



When used to record or play back MIDI data, the AR performs as a non-mechanical MIDI sequencer that can control or synchronize music or other event attractions such as lighting systems, effects or fountains.

## 24bit, 48kHz Linear Recording

The AR series' 24-bit, 48kHz audio sets the standard in audio quality for fixed installation applications. The AR series represents the industry standard in high quality audio with up to 48 kHz, 24 bit linear recording and playback. Users can select from a range of sample rates and recording times including the latest Roland Digital Audio Coding (RDAC) technology, which uses less memory with virtually no loss of sound quality and offers over 140 hours of recording time. For demanding applications up to 2,000 phrases can be stored on the AR-3000R.



## Applications

Paging systems  
Museums  
Zoos  
Airports

Theme Parks  
Interactive installations  
Public Transportations

Radio cart replacement for instant on-air playback of jingles, spots and promos  
Remotely controlled recorder for loading news highlights, stories  
Interactive phone message playback

## AR-200R



Line Input  
GP Input  
MIDI In/Out  
AR Link In/Out

Audio Output  
Control/DC Power Inputs

## AR-200S



Euroblock Connector  
GPI Input  
Control/DC Power Inputs  
RS-232C

## Industry standard in sound quality and long recording times

The AR-200R/S Audio Recorder are half rack space digital audio recorder/players designed for any application requiring high fidelity pre-recorded announcements and control using RS-232C or GPI contact closures.

## The Industry Standard for extreme reliability

The AR series has set the industry standard for reliability for over 10 years. The AR-200R/S use solid state media for recording and playback eliminating failures due to mechanical movements found in CD and DVD players and guaranteeing no long term sound degradation.

## Easily integrate messages with external audio

External audio sources like FM broadcasts or CD playback can be connected to inputs on the AR's rear panel. The external audio will then be ducked to a user selectable level when a message is played by the AR.

## Multi-Channel Playback (AR-200R)

Using one AR-3000R as the master, multiple AR-200R units can be locked together for sample-accurate playback of up to 64 tracks. The system can also be synchronized to external show control using MTC or MMC.

## High quality audio with long recording times

The AR-200R/S support 16 bit/ 48kHz/linear recording as well as RDAC (Roland Digital Audio Coding) technology that offers very long recording times with virtually no loss of sound quality. Over 70 hours of audio can be recorded to the optional memory card.

## Installable anywhere

The AR-200R/S can be powered by AC or 9-24V DC. The compact size, rugged design, and power supply flexibility enables the installation of the AR-200R/S in just about any application environment.

## 100% prevention of accidental Play/Stop (AR-200S)

The AR-200S has no control buttons on the front panel. This prevents the accidental starting or stopping of audio phrase playback, allowing for a 100% secure installation.